| Inde | x of | Clai | ims |  |
|------|------|------|-----|--|
|      |      |      |     |  |

10/824,229

Examiner

Theresa T. Doan

Applicant(s)/Patent under Reexamination

INOUE, KEISHI

Art Unit

2814

| 1 | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla  | aim         | Date   |  |  |  |              |  | Claim Date                                       |                 |          |  |          |          |                 |          | Claim    |          |          | Date        |          |          |          |          |       |              |              |                 |           |          |          |          |          |          |          |
|--|-------------|--|--|--|--|--------------|--|--|-----------------|----------|--|----------|----------|-----------------|----------|----------|----------|----------|-------------|----------|----------|----------|----------|-------|--------------|--------------|-----------------|-----------|----------|----------|----------|----------|----------|----------|
| _  | <del></del> | _  |  |  | l  |              |  |  |                 |          |  |          | -a       |                 |          |          |          |          | ŀ           | 1        |          |          |          |       | <del>-</del> |              | - 1             | -         |          | ı        |          |          |          | ı        |
| Final  | Original    | 5/28/07  |  |  |  |              |  |  |                 | - 1      | Final  | •        | Original |                 |          |          |          | ŀ        |             | - 1      |          |          |          | Final | Original     |              | l               | 1         |          | - 1      | - 1      | 1        | - 1      | - 1      |
| Œ  | Ö           | 5/2  | '  |  | 1  |              |  |  |                 |          | ļ iī   | :        | 8        |                 | ŀ        |          |          | ]        |             | 1        |          |          |          | ΙΞ    | Č            |              |                 |           |          | - 1      |          |          |          | - 1      |
| <u> </u>   |             | _  | _  | _  | <u> </u>   | <u> </u>     |  |  |                 | _        | _  | 4        |          | _               | _        | _        | _        | _        | _           | _        | _        | _        | L        |       |              |              | _               | _         | _        | _        | _        | _        | _        | _        |
| <u> </u>   | 1           | =  | _  |  | <u>Ļ</u> .                                       | <u> </u>     |  | _  |                 | _        | <u> </u>                                       |          | 51       | _               |          |          |          |          | _           | _        | _        | _        | L        |       | 101          |              | $\dashv$        | _         | _        |          | _        | _        | _        | _        |
|  | 2           | -  | <u> </u>   |  | _  | <u> </u>     |  |  |                 | _        | <u> </u>                                       |          | 52       | _               |          | _        | _        | _        |             |          |          | _        |          |       | 102          |              |                 | _         |          |          |          | -        | _        | _        |
|  | 3           | =  |  |  | -  | <u> </u>     |  | _  |                 | _        | -  |          | 53       |                 |          |          | _        | _        |             | -        | -        | _        | L        |       | 103          | $\dashv$     | $\dashv$        | _         | _        | _        | _        |          |          |          |
|  | 4           | =  |  |  | ⊢  | ⊢            |  | <u> </u>   | $\Box$          | _        | - ├  |          | 54       | _               |          | _        | -        |          |             |          | _        | 4        | $\perp$  |       | 104          | _            | _               | _         |          |          | _        |          | _        |          |
|  | 5           | =  |  | -  | ⊢  | ⊢            | _  | $\vdash$   | $\vdash \vdash$ | _        | ļ.   |          | 55       |                 |          |          |          |          | $\dashv$    | -        | $\dashv$ | _        | $\vdash$ |       | 105          | _            | -               |           |          |          | -        | $\dashv$ | -        | _{       |
|  | 6<br>7      | -  | -  | <u> </u>   | ├  |              | -  | -  | Н               | 4        | -  |          | 56<br>57 | -               |          | -        | -        | _        | -           |          |          | _        | F        |       | 106<br>107   |              | -               |           |          |          |          |          |          |          |
|  |             | <u>-</u>   | -  | <u> </u>   | ⊢  | ┢            | _  | H  | H               | $\dashv$ | -  |          | 58       | -               | $\dashv$ | $\dashv$ | -        | -        | -           | -        | $\dashv$ | _        | -        |       | 107          |              | _               |           | -        | -        | -        | _        | -        | ᅴ        |
|  | 8           | -  | -  | -  | -  | <del> </del> | -  | -  | $\vdash$        | ᅱ        | -  |          | 59       | $\dashv$        | $\dashv$ | ᅱ        | -        | -        | $\dashv$    | $\dashv$ | +        | -        | -        |       | 109          |              | -               | -         | $\dashv$ | $\dashv$ |          | -        | $\dashv$ | $\dashv$ |
|  | 10          | -  |  |  | ├  | -            | -  | -  | $\vdash\vdash$  | $\dashv$ | -  |          | 60       | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$    | $\dashv$ | $\dashv$ | -        | -        |       | 110          |              | -               |           | $\dashv$ | $\dashv$ | $\dashv$ | -        | -        | 닉        |
| <del> </del>                                     | 11          | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$     | ┢  | $\vdash$   | $\vdash$        | $\dashv$ | -  |          | 61       |                 |          |          |          | -        |             | -        | -+       | $\dashv$ | $\vdash$ |       | 111          |              |                 |           | -        |          |          | -        | $\dashv$ | $\dashv$ |
|  | 12          | -  | $\vdash$   | $\vdash$   | -  | $\vdash$     | $\vdash$   |  | $\vdash\vdash$  | $\dashv$ | -  |          | 62       | $\dashv$        | ┥        | $\dashv$ | $\dashv$ | $\dashv$ | -           | $\dashv$ | $\dashv$ | $\dashv$ | -        |       | 112          | -            | -               | -         | $\dashv$ | $\dashv$ |          |          | -        | $\dashv$ |
| <u> </u>   | 13          | -  | -  | <u> </u>   | -  | +-           |  | -  | $\vdash$        |          | -  |          | 63       | -               |          |          |          |          | -           |          |          | $\dashv$ | <br> -   |       | 113          |              | $\dashv$        |           |          |          |          | ᅱ        | $\dashv$ | $\dashv$ |
|  | 14          | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$     | -  | -  | $\vdash$        | $\dashv$ | $\vdash$                                       |          | 64       | -               | ┥        |          | $\dashv$ | $\dashv$ | $\dashv$    | $\dashv$ | $\dashv$ | $\dashv$ | <br> -   |       | 114          |              | -               | -         | $\dashv$ | ᅱ        | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        |
|  | 15          | $\vdash$   | H  | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$        | $\dashv$ | -  |          | 65       | $\dashv$        | .        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$    | ᅱ        | $\dashv$ | $\dashv$ |          |       | 115          | $\vdash$     | -               |           | -        |          | $\dashv$ | -        | -        | $\dashv$ |
|  | 16          | <u> </u>   | ╁  | ┢  | <del>                                     </del> | 1            | <u> </u>   | H  | $\vdash$        | $\dashv$ | -  |          | 66       | +               | $\dashv$ | $\dashv$ | -1       | $\dashv$ | -           | $\dashv$ | +        | $\dashv$ | <br> -   |       | 116          |              | $\dashv$        | $\dashv$  |          |          | -        | ᅥ        | $\dashv$ | $\dashv$ |
|  | 17          | _  |  | -  | -  |              | -  | -  |                 | $\dashv$ | <del>                                   </del> | $\dashv$ | 67       | _               | $\dashv$ | ┪        |          | $\dashv$ | $\dashv$    | $\dashv$ | 寸        | ┪        | ┢        | -     | 117          |              |                 | _         |          |          |          | $\dashv$ | $\dashv$ |          |
| <del>                                     </del> | 18          | <del>                                     </del> | ┢  | <del>                                     </del> | 一  | $\vdash$     | -  | <del> </del>                                     | $\vdash$        |          |  | 十        | 68       | $\neg \uparrow$ | $\neg$   | $\dashv$ | _        | 一        | $\dashv$    | 一        | $\dashv$ | ┪        | ┢        |       | 118          |              |                 |           |          |          | _        |          | _        |          |
| _  | 19          | $\vdash$   | ╁  | <del>                                     </del> | $\vdash$   | $\vdash$     | <del>                                     </del> | <del> </del>                                     | $\vdash$        |          |  | $\top$   | 69       | $\exists$       | $\dashv$ |          |          | 一        | 寸           | $\dashv$ | _        | $\dashv$ | F        | -     | 119          |              | $\Box$          | $\exists$ | _        |          | $\neg$   | ヿ        | $\neg$   |          |
|  | 20          | $\vdash$   | <del>                                     </del> | <del>                                     </del> | †  | 1            |  | m  | П               |          |  | $\dashv$ | 70       |                 |          |          | $\neg$   | $\neg$   | $\neg$      |          |          | $\neg$   | ┢        |       | 120          |              |                 |           |          |          |          | _        |          |          |
|  | 21          |  | 一  | Т  | 1  | $\vdash$     | $\vdash$   | <del>                                     </del> | П               |          |  | _        | 71       |                 |          | -        |          |          |             |          |          | $\neg$   | 上        |       | 121          |              |                 | T         |          |          | 一        |          | 一        |          |
|  | 22          | <u> </u>   |  | $\vdash$   | 1  | t            |  | t  | П               |          |  | $\neg$   | 72       | $\neg$          |          |          | $\neg$   | $\neg$   | ╛           |          | $\neg$   | $\neg$   | Ī        |       | 122          |              |                 |           |          |          |          |          | 一        |          |
|  | 23          |  | Г  |  |  | Τ            | Г  |  | П               |          |  |          | 73       |                 |          |          |          | - 1      |             |          |          | $\neg$   |          |       | 123          |              |                 |           |          |          |          |          |          |          |
|  | 24          |  |  |  |  | Π            |  | П  |                 |          |  |          | 74       |                 |          |          |          |          |             |          |          |          |          |       | 124          |              |                 |           |          |          |          |          |          |          |
|  | 25          |  |  |  |  |              |  |  |                 |          |  | $\Box$   | 75       |                 |          |          |          |          |             |          |          |          |          |       | 125          |              |                 |           |          |          |          |          |          |          |
|  | 26          |  |  |  |  |              |  |  |                 |          |  |          | 76       |                 |          |          |          |          |             |          |          |          |          |       | 126          |              |                 |           |          |          |          |          |          |          |
|  | 27          |  |  |  |  |              |  |  |                 |          |  |          | 77       |                 |          |          |          |          |             |          |          |          |          |       | 127          |              |                 |           |          |          |          |          |          | _        |
|  | 28          |  |  | <u> </u>   |  | _            |  |  |                 |          |  | $\perp$  | 78       |                 | $\Box$   |          |          |          |             |          |          | _        | L        |       | 128          |              |                 |           |          |          |          |          | _        | $\sqcup$ |
| <u></u>  | 29          |  | L  |  | ļ  | 丄            | _  | L  |                 |          |  | $\perp$  | 79       |                 |          |          |          |          |             |          |          |          | L        |       | 129          |              |                 | _         |          | _        |          | _        | _        | _        |
| <u></u>  | 30          | <u> </u>   | L  |  | L  | <u> </u>     | <u> </u>   | L  |                 |          |  | 1        | 80       |                 |          |          | _        |          |             | $\Box$   | _        | _        | L        |       | 130          |              |                 |           |          | _        |          | _        | _        |          |
| <u> </u>   | 31          | _  | L  | ᆫ  | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u>   | Ш               |          |  | 4        | 81       |                 |          |          | $\dashv$ | _        | _           | _        | $\dashv$ | _        | _        |       | 131          |              |                 |           |          | _        |          | _        |          | _        |
| <b></b>  | 32          |  | ļ  | <u> </u>   | _  | ļ            | L  | ļ  | Щ               | _        |  | _        | 82       |                 |          |          |          | _        |             | _        |          | _        | -        |       | 132          |              | _               |           | _        |          | _        | _        | _        | _        |
|  | 33          | ـــ  | <u> </u>   | <u> </u>   | 1  | ـ            | <u> </u>   | -  | Щ               | _        | <u> </u>                                       | 4        | 83       | $\dashv$        | _        | _        | _        | _        |             | 4        |          | _        | -        |       | 133          |              |                 |           | _        |          | _        | 4        | _        | $\dashv$ |
| <u> </u>   | 34          | -  | -  | -  | ╀-   | <b>├</b>     |  | -  | $\vdash$        | _        |  | $\dashv$ | 84       |                 |          |          |          |          |             | _        |          | _        | F        |       | 134          |              | $\vdash$        | _         | _        | $\dashv$ | _        |          |          | $\dashv$ |
| <u> — </u>                                       | 35          | ⊢  | ⊢  | _  | -  | ⊢            | ⊢  | ├  | $\vdash$        | $\dashv$ | $\vdash$                                       | $\dashv$ | 85       | $\dashv$        | -        | $\dashv$ | -        |          | ∤           |          |          |          | -        |       | 135          |              |                 |           |          |          |          |          |          |          |
|  | 36          | $\vdash$   | $\vdash$   | -  | $\vdash$   | $\vdash$     | -  | $\vdash$   | $\vdash$        | $\dashv$ | $\vdash$                                       | $\dashv$ | 86       | $\dashv$        |          | $\dashv$ | _        | {        | <del></del> |          |          | $\dashv$ | -        |       | 136<br>137   | -            |                 |           |          |          | $\dashv$ |          |          | $\dashv$ |
|  | 37<br>38    | -  | -  | -  | +  | ┼            | <del> </del>                                     | -  | $\vdash$        | -        | $\vdash$                                       | +        | 87<br>88 | $\vdash$        | -        | $\vdash$ |          | $\dashv$ | $\dashv$    | -        | $\dashv$ | $\dashv$ | H        |       | 137          |              |                 | $\dashv$  | _        |          | $\dashv$ |          | $\dashv$ |          |
|  | 39          | ┼─   | ╁  | -  | 1  | $\vdash$     | ₩  | ╁  | $\vdash$        | $\vdash$ | -  | $\dashv$ | 89       | $\vdash$        | $\dashv$ | $\dashv$ | -        | $\dashv$ | {           | $\dashv$ | $\dashv$ | $\dashv$ | }        |       | 139          | <u> </u>     | $\vdash \vdash$ | -         |          |          |          | -        |          | 닉        |
|  | 40          | ╁  | $\vdash$   | _  | +-   | ╁            | ╁  | -  | $\vdash$        | $\vdash$ | $\vdash$                                       | +        | 90       | $\vdash$        | $\dashv$ | $\vdash$ |          |          |             | $\dashv$ | -        | $\dashv$ | }        |       | 140          | <del> </del> | $\vdash \vdash$ |           |          |          | -        |          |          | $\dashv$ |
| <del> </del>                                     | 41          | $\vdash$   | -  | -  | +  | +            | 1  | $\vdash$   | $\vdash$        | $\dashv$ | -  | +        | 91       | $\dashv$        | $\dashv$ | $\dashv$ | -        | $\dashv$ | ┥           | $\dashv$ | $\dashv$ | $\dashv$ | ┝        |       | 141          | H            | $\vdash$        | -         |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| <del></del>                                      | 42          | $\vdash$   | +  | -  | +  | 1            | $\vdash$   | -  | -               | $\dashv$ | -  | $\dashv$ | 92       | $\dashv$        | $\dashv$ |          |          |          | $\dashv$    |          | $\dashv$ |          | ┝        |       | 142          | -            | $\vdash$        | -         |          | $\vdash$ | -        | -        | $\dashv$ | $\dashv$ |
| -  | 43          | $\vdash$   | +  | $\vdash$   | $t^{-}$  | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$        | $\vdash$ |  | $\dashv$ | 93       | -               | -        | -        |          | -        | $\dashv$    |          |          | -        | <br> -   |       | 143          | $\vdash$     | $\vdash$        |           |          |          | $\vdash$ | $\neg$   | $\dashv$ | $\dashv$ |
| <u> </u>   | 44          | $\vdash$   | T  | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$   | $t^{-}$  | Н               | $\dashv$ | <u> </u>                                       | -+       | 94       | $\vdash \vdash$ |          | $\vdash$ | -        |          |             | -        |          | $\dashv$ | 卜        |       | 144          | Н            | $\vdash$        | -         | _        |          |          |          | _        |          |
| <b></b>  | 45          | 1  | $\vdash$   | $\vdash$   | †  | $t^-$        | $\vdash$   | <del>                                     </del> | Н               | $\vdash$ | <u> </u>                                       | -        | 95       |                 |          | $\vdash$ |          | $\neg$   | _           |          |          | $\dashv$ | F        |       | 145          | -            | $\vdash \vdash$ |           |          |          |          |          | $\dashv$ | ᅥ        |
|  | 46          | T  | Т  | Т  | t  | T            | T  | T  | П               | $\vdash$ |  | 寸        | 96       | $\dashv$        |          | $\Box$   |          | $\neg$   | $\dashv$    |          |          | $\dashv$ | F        |       | 146          |              |                 |           |          |          |          |          | -        | $\neg$   |
|  | 47          | 1  | T  | $\vdash$   | T  | T            | <del>                                     </del> | $I^-$  | П               | $\vdash$ |  | $\dashv$ | 97       | $\Box$          |          | $\vdash$ |          |          | $\dashv$    |          |          | $\dashv$ | F        |       | 147          |              | H               |           |          |          |          |          |          | ᅱ        |
|  | 48          | T  | Τ  |  | 1  |              |  | 1  |                 | П        |  | $\dashv$ | 98       |                 |          |          |          |          |             |          |          | $\neg$   |          |       | 148          |              |                 |           |          |          | $\Box$   |          |          | $\neg$   |
|  | 49          | Π  |  |  |  |              |  |  |                 |          |  |          | 99       |                 |          |          |          |          |             |          |          |          | 一        |       | 149          |              | П               |           |          |          |          |          |          |          |
|  | 50          |  |  |  |  |              |  |  |                 |          |  |          | 100      |                 |          |          |          |          |             |          |          |          |          |       | 150          |              |                 |           |          |          |          |          |          |          |